Name

Hr

Graph 2 cycles of the tangent function. Show b/P work, the table. Draw the asymptotes, label x-axis completely.

1. $y = -2 \tan \theta$

2. $y = \frac{1}{2} \tan \pi\theta$

3. $y = -3 \tan 2\theta$

4. $y = 4 \tan \frac{\pi}{2}\theta$

Write the equation of the tangent function from the graph or description. Show b/P work.

5. Vertical shrink of $\frac{2}{3}$, period 6π

6. Vertical stretch of 5,

\# of cycles from 0-π is 4

7. Vertical reflection,

period $\frac{4\pi}{3}$

8.

9.

10.